

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application

Inventor(s): Brian Tanner

Appln. No.: Unknown

Confirm. No.: Unknown

Filed: Herewith

Title: DIRECT DETECTION OF COIL RESISTANCE

PATENT APPLICATION

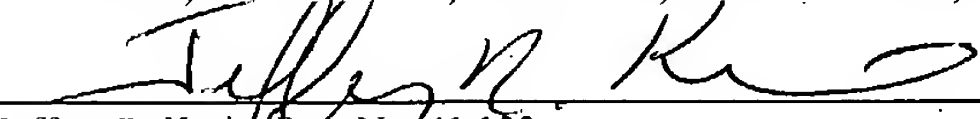
Art Unit:

Examiner:

Customer No. 23910

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8

I hereby certify that this correspondence is being deposited in the United States Postal Service with sufficient postage as first class mail in an envelope addressed to **Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**, on July 18, 2003.



Jeffrey R. Kurin, Reg. No. 41,132 (Attorney Signature)
Signature Date: July 18, 2003

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.56

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

It is requested that the information identified in this statement be considered by the Examiner and made of record in the above-identified application. This statement is not intended to represent that a search has been made or that the information cited in the statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56. If this is a continuation, divisional or continuation-in-part application, it is understood that the Examiner will consider all information which was considered by the Office in a parent application. MPEP §609. Such information therefore is not listed herein unless it is desired that the information be printed on a patent issuing from the subject application.

Enclosed with this statement are the following:

- ☒ Form PTO-1449. The Examiner is requested to initial the form and return it to the undersigned in accordance with M.P.E.P. §609.
- ☒ A copy of each cited document as required by 37 C.F.R. §1.98. Copies are not submitted of documents previously submitted by the applicant in a parent application from which benefit under 35 U.S.C. §120 is claimed, 37 C.F.R. §1.98(d)(1), with an *Information Disclosure Statement* submitted in the parent application which complies with the September 8, 2000 or subsequent revision of 37 C.F.R. §1.98(a-c). If any of the cited/submitted documents is in a foreign language, a concise explanation of relevance is provided pursuant to 37 C.F.R. §1.98(a)(3)(i). For foreign language documents cited in a search report by a foreign patent office, the requirement for a concise explanation of relevance is satisfied by the submission herewith of an English language version of the

search report. MPEP §609A(3). If a written English-language translation of a non-English language document, or portion thereof, is within the possession, custody or control of, or is readily available to any individual designated in §1.56(c), a copy of the translation accompanies this statement, 37 C.F.R. §1.98(a)(3)(ii), and satisfies the requirement for a concise explanation of relevance, MPEP §609A(3).

— **PTA Statement under 37 C.F.R. §1.704(d).** Each item of information contained in the *Information Disclosure Statement* was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in §1.56(c) more than thirty days prior to the filing of the *Information Disclosure Statement*.

This statement should be considered because:

☒ **37 C.F.R. §1.97(b).** This statement qualifies under 37 C.F.R. §1.97, subsection (b) because:

- (1) It is being filed within three months of the filing date of an application other than a continued prosecution application under § 1.53(d);
-- OR --
- (2) It is being filed within 3 months of entry of a national stage;
-- OR --
- (3) It is being filed before the mailing date of the first Office Action on the merits,
-- OR --
- (4) It is being filed before the mailing date of the first Office Action after the filing of a Request for Continued Examination under 37 C.F.R. §1.114.

— **37 C.F.R. §1.97(c).** Although it may not qualify under subsection (b), this statement qualifies under 37 C.F.R. §1.97, subsection (c) because:

- (1) It is being filed before the mailing date of a FINAL Office Action, a Notice of Allowance, or an action that otherwise closes prosecution in the subject application, whichever occurs first.

-- AND (check at least one of the following) --

- (1) It is accompanied by a STATEMENT as set forth in 37 C.F.R. §1.97(e).
-- OR --
- (2) It is accompanied by the \$180 fee set forth in 37 C.F.R. §1.17(p).

— **37 C.F.R. §1.97(d).** Although it may not qualify under subsection (b) or (c), this statement qualifies under 37 C.F.R. §1.97, subsection (d) because:

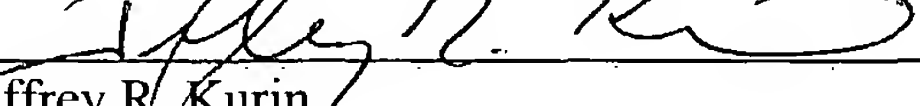
- (1) It is being filed on or before payment of the Issue Fee;
-- AND --
- (2) It is accompanied by a STATEMENT as set forth in 37 C.F.R. §1.97(e);
-- AND --
- (3) It is accompanied by the \$180 fee set forth in 37 C.F.R. §1.17(p).

✓ **Fee Authorization.** The Commissioner is hereby authorized to charge any deficiencies or credit any overpayment to Deposit Account No. 06-1325. A duplicate copy of this authorization is enclosed.

Respectfully submitted,

FLIESLER DUBB MEYER & LOVEJOY LLP

Date: 7/18/03

By: 
Jeffrey R. Kurin
Reg. No. 41,132

FLIESLER DUBB MEYER & LOVEJOY LLP
Four Embarcadero Center, Fourth Floor
San Francisco, California 94111-4156
Telephone (415) 362-3800

FOREIGN PATENT DOCUMENTS								
Examiner Initial		Document Number	Publication Date	Country	Class	Subclass	Translation Yes No	
	40.	1 115 064	July 11, 2001	EP			X	
OTHER DOCUMENTS (Include author (if any), title, publisher and place of publication, date and pertinent pages)								
	41.	Morcos, Anthony C., "Voice Coil Actuators for Use in Motion Control Systems," Motion Magazine, 5 pp. Fall 1998						
	42.	"Advanced Servo-Mechanical Design Facilitates Improved Performance and Reliability," 4 pp., 11/99, http://www.ibm.com/harddrive						
	43.	"How a Hard Disk Drive Works, Heads," Hard Disk Drive Guide, 2 pp., 11/6/2002, http://www.duxcw.com/digest/guides/hd/hd5.htm						
	44.	Arkin, Michael, "Understanding Head Positioning Systems in Disk Drives - A Primer for the Dynamics of Servo Control," DataTech, Edition 3, Section 4, Pages 61-65, ICG Publishing						
Examiner				Date Considered				
<p>*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>								
<p>*1 = Copy not submitted because it was submitted in prior application SN __/____, filed _____, 20____, relied on under 35 USC §120.</p> <p>*2 = Copy not submitted because it was submitted in prior application SN __/____, filed _____, 20____, relied on under 35 USC §120.</p>								

U.S. PATENTS							
Examiner Initial		Patent Number	Issue Date	First Named Inventor	Class	Subclass	Filing Date
	31.	6,097,564 A	Aug.1,2000	Hunter			
	32.	6,115,199A	Sep.5,2000	Bang			
	33.	6,204,629 B1	Mar.20,2001	Rote et al.			
	34.	6,222,696 B1	Apr.24,2001	Kim			
	35.	6,363,214 B1	Mar.26,2002	Merello et al.			
	36.	6,487,033 B1	Nov.26,2002	Heydt et al.			
	37.	6,496,319 B1	Dec.17,2002	Kusumoto et al.			
U.S. PATENT PUBLICATIONS							
Examiner Initial		Patent Application Publication Number	Publication Date	Applicant			
PENDING U.S. PATENT APPLICATIONS							
Examiner Initial		Application Number	Filing Date	First Named Inventor	Petition to Expunge? Yes No		
	38.	10/368,743	Feb. 19,2003			No	
	39.	10/369,314	Feb.19,2003			No	

Form PTO-1449 (Substitute)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Attorney Docket Number PANA-01077US0		Serial/Patent Number Unknown	
Information Disclosure Statement BY APPLICANT <i>(Use several sheets if necessary)</i>				Applicant/Patent Owner Brian Tanner			
				Filing/Issue Date Herewith		Group Art Unit	
U.S. PATENTS							
Examiner Initial		Patent Number	Issue Date	First Named Inventor	Class	Subclass	Filing Date
	1.	4,168,457	Sep.18,1979	Rose			
	2.	4,524,398	Jun.18,1985	Fujiki			
	3.	4,691,152	Sep.1, 1987	Ell et al.			
	4.	4,755,892	Jul 5, 1988	Carteau et al.			
	5.	4,864,437	Sep.5, 1989	Couse et al.			
	6.	4,876,491	Oct.24, 1989	Squires et al.			
	7.	4,920,462	Apr.24,1990	Couse et al.			
	8.	4,933,785	Jun.12,1990	Morehouse et al.			
	9.	4,967,291	Oct. 30,1990	Touchton et al.			
	10.	5,034,837,	Jul.23,1991	Schmitz			
	11.	5,119,250	Jun.2,1992	Green et al.			
	12.	5,223,993 A	Jun.29,1993	Squires et al.			
	13.	5,231,549 A	Jul.27,1993	Morehouse et al.			
	14.	5,296,790	Mar.22,1994	Fincher			

U.S. PATENTS							
Examiner Initial		Patent Number	Issue Date	First Named Inventor	Class	Subclass	Filing Date
	15.	5,363,359	Nov.8,1994	Lee			
	16.	5,379,171 A	Jan.3,1995	Morehouse et al.			
	17.	5,404,636 A	Apr.11,1995	Stefansky et al.			
	18.	5,426,545 A	Jun.20,1995	Sidman et al.			
	19.	5,485,323	Jan.16,1996	Anderson et al.			
	20.	5,510,939	Apr.23,1996	Lewis			
	21.	5,532,889 A	Jul.2,1996	Stefansky et al.			
	22.	5,592,349 A	Jan.7,1997	Morehouse et al.			
	23.	5,615,064	Mar.25,1997	Blank et al.			
	24.	5,768,045 A	Jun.16,1998	Patton, III et al.			
	25.	5,781,363	Jul.14,1998	Rowan et al.			
	26.	5,844,743 A	Dec.1,1998	Funches			
	27.	5,863,393 A	Jan.26,1999	Hu			
	28.	5,936,788 A	Aug.10,1999	Boutaghou et al.			
	29.	5,949,608	Sep.7,1999	Hunter			
	30.	6,064,539	May 16,2000	Null et al.			